01659000 NORTH BRANCH CHOPAWAMSIC CREEK NEAR INDEPENDENT HILL, VA

LOCATION.--Lat 38°33'58", long 77°25'47", NAD83, Prince William County, Hydrologic unit 02070011, on left bank 1.0 mi upstream from Chopawamsic Creek, 4.8 mi south of Independent Hill, located downstream side of MCB-1, 10 ft.

DRAINAGE AREA.--5.79 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1951 to June 1957, March 2000 to current year.

GAGE.--Water stage recorder. Datum of gage is 230 ft above sea level, from topographic map. May 1951 to June 1957, at site 200 ft downstream at different datum.

REMARKS.--Records fair except those for period Oct. 1 to Dec. 18, period with ice ice effect, Dec. 22 to Jan. 2, and period of no gage-height record, Mar. 28-30, which are poor. Previously unpublished sediment records for 2000 Water Year (March to September) included in this report.

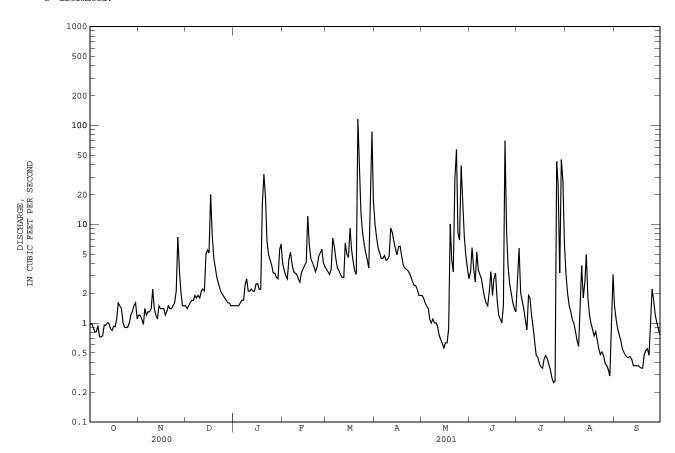
		DISCHAF	RGE, CUBIC	FEET PE		WATER YE Y MEAN VA		R 2000 TO	SEPTEMBI	ER 2001		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2	.96 .99	1.2 1.2	1.5 1.4	e1.5 e1.5	4.0	3.5 3.3	10 7.3	1.9 1.8	3.3 5.8	2.5	3.1	1.5 1.1
3 4 5	.91 .81 .82	1.1 .97 1.4	1.5 1.6 1.7	1.5 1.5 1.6	3.0 2.8 4.4	3.1 3.5 7.2	5.7 5.1 4.5	1.6 1.5 1.4	3.6 2.6 5.2	2.0 1.7 1.4	1.5 1.3 1.1	.87 .76 .66
6 7 8 9	.94 .73 .72 .74	1.2 1.3 1.3	1.7 1.9 1.8 1.9	1.7 1.7 2.4 2.8	5.2 3.9 3.3 3.2	5.9 4.4 3.6 3.4	4.5 4.8 4.3 4.4	1.1 1.0 1.1 1.0	3.4 3.1 2.8 2.2	1.1 .85 1.9 1.8	1.0 .83 .67	.55 .51 .47
10 11 12 13 14	.95 .95 1.0 1.0	1.4 1.2 1.1 1.5	1.8 2.1 2.2 2.1 5.0	2.1 2.1 2.2 2.1 2.1	3.1 2.8 2.6 3.2 3.5	3.1 2.9 2.9 6.4 5.0	4.7 9.1 8.2 6.8 5.7	1.0 .92 .75 .68	1.8 1.6 1.5 2.1 3.3	1.2 .90 .64 .47	1.3 3.8 1.8 2.6 4.9	.45 .46 .43 .37
15 16	.84	1.4	5.5 5.1	2.5	3.8 4.1	4.6 9.1	4.9 5.9	.56	1.9 2.8	.39	1.8	.37
17 18 19 20	.92 1.1 1.6 1.5	1.4 1.2 1.3 1.5	20 7.7 4.5 3.6	2.2 2.2 16 32	12 6.3 4.5 4.1	5.6 4.2 3.4 3.1	6.0 4.8 3.9 3.6	.63 .87 10 4.4	3.2 1.7 1.2 1.1	.35 .43 .47 .44	.98 .85 .74 .82	.36 .35 .35 .48
21 22 23 24 25	1.4 1.0 .91 .90	1.4 1.4 1.5 1.6 2.1	2.9 e2.5 e2.2 e2.0 e1.9	18 6.8 4.9 4.3 3.8	3.7 3.3 3.7 4.7 5.1	115 36 13 8.3 6.3	3.5 3.4 3.2 2.9 2.6	3.3 29 57 8.2 6.9	1.0 1.5 70 8.4 3.8	.38 .34 .28 .25	.66 .54 .48 .51	.53 .55 .47 .91 2.2
26 27 28 29 30 31	1.0 1.2 1.3 1.5 1.6	7.4 3.4 2.1 1.5 1.5	e1.8 e1.7 e1.6 e1.6 e1.5	3.2 3.2 2.9 2.8 5.5 6.3	5.6 4.1 3.7 	5.2 4.4 e3.6 e20 e86 17	2.4 2.4 2.2 1.9 1.9	39 18 7.4 4.9 3.6 2.8	2.5 2.0 1.6 1.4 1.3	43 25 3.2 45 27 6.5	.39 .37 .34 .29 .92	1.7 1.2 1.0 .88 .75
TOTAL MEAN MAX MIN CFSM IN.	32.11 1.04 1.6 .72 .18	50.57 1.69 7.4 .97 .29	95.8 3.09 20 1.4 .53 .62	145.9 4.71 32 1.5 .81	117.1 4.18 12 2.6 .72 .75	403.0 13.0 115 2.9 2.25 2.59	140.6 4.69 10 1.9 .81	213.56 6.89 57 .56 1.19 1.37	147.7 4.92 70 1.0 .85	176.26 5.69 45 .25 .98 1.13	40.94 1.32 4.9 .29 .23	21.42 .71 2.2 .35 .12

01659000 NORTH BRANCH CHOPAWAMSIC CREEK NEAR INDEPENDENT HILL, VA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1957, 2000 - 2001, BY WATER YEAR (WY)

SUMMARY	Y STATIST	TCS	FOR 2	2000 CALE	NDAR YEAR	ਮੁ	OR 2001 W	ATER YEAR		WATER Y	EARS 1951	- 1957
(WY)	1955	1955	1956	1955	1954	1954	1955	1957	1954	1955	1954	1954
MIN	.30	.51	1.90	1.05	3.06	6.71	3.69	1.33	.58	.19	.18	.036
(WY)	1957	1953	1952	1953	1957	1953	1952	1953	1951	2001	1955	2000
MAX	3.25	11.9	10.9	11.4	9.58	17.0	19.0	7.77	12.5	5.69	16.2	4.49
MEAN	1.39	4.03	4.77	5.98	6.33	10.2	8.92	4.43	3.98	2.36	2.98	1.34
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
	0.00	NTOTT	DEC	T 7 3 7		3.43 D	3.00	24277	TIBI	77.77	7.77	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1951 - 1957
			2000 - 2001
ANNUAL TOTAL		1584.96	
ANNUAL MEAN		4.34	4.52
HIGHEST ANNUAL MEAN			6.57 1952
LOWEST ANNUAL MEAN			2.36 1954
HIGHEST DAILY MEAN	64 Apr 18	115 Mar 21	168 Nov 21 1952
LOWEST DAILY MEAN	.13 Sep 18	.25 Jul 24	.00 aOct 1 1954
ANNUAL SEVEN-DAY MINIMUM	.45 Sep 12	.35 Jul 19	.00 Oct 1 1954
MAXIMUM PEAK FLOW		240 Mar 21	298 Nov 21 1952
MAXIMUM PEAK STAGE		6.63 Mar 21	8.04 Nov 21 1952
INSTANTANEOUS LOW FLOW		.22 bJul 17	.00 cOct 1 1954
ANNUAL RUNOFF (CFSM)		.75	.78
ANNUAL RUNOFF (INCHES)		10.18	10.61
10 PERCENT EXCEEDS	9.5	6.6	9.0
50 PERCENT EXCEEDS	2.0	1.9	2.1
90 PERCENT EXCEEDS	.88	.54	.30



a b c e

Many days in October 1954. Also July 23-26, 2001. Many days in October 1954, and Sept. 19, 2000. Estimated.

01659000 NORTH BRANCH CHOPAWAMSIC CREEK NEAR INDEPENDENT HILL, VA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER		D	ECEMBER	
1									
2									
3									
4 5									
5									
6									
7									
8 9									
10									
11 12									
13									
14									
15									
16									
17									
18 19									
20									
21 22									
23									
24									
25									
26									
27									
28									
29 30									
31									
							•		
TOTAL	0		0	0		0	0		0
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
DAY	DISCHARGE	CONCEN- TRATION (MG/L)	DISCHARGE	DISCHARGE (CFS)	CONCEN- TRATION (MG/L)	DISCHARGE	DISCHARGE	CONCEN- TRATION (MG/L)	DISCHARGE
DAY	DISCHARGE	CONCEN- TRATION	DISCHARGE	DISCHARGE (CFS)	CONCEN- TRATION	DISCHARGE	DISCHARGE	CONCEN- TRATION	DISCHARGE
1	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2	DISCHARGE (CFS)	CONCENTRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2	DISCHARGE (CFS)	CONCENTRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5	DISCHARGE (CFS)	CONCENTRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS) 2.6 2.6 2.7 6.9 5.3 3.9 3.5	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS) 2.6 2.6 2.7 6.9 5.3 3.9 3.5 35 29 12 6.8 5.2	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS) 2.6 2.6 2.6 2.7 6.9 5.3 3.9 3.5 35 29 12 6.8 5.2	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS) 2.6 2.6 2.7 6.9 5.3 3.9 3.5 35 29 12 6.8 5.2	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS) 2.6 2.6 2.7 6.9 5.3 3.9 3.5 35 29 12 6.8 5.2 6.3 4.9 18 7.5	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS) 2.6 2.6 2.7 6.9 5.3 3.9 9.3.5 35 29 12 6.8 5.2 6.3 4.9 18 7.5 4.4	CONCENTRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JANUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCENTRATION (MG/L) FEBRUARY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS) 2.6 2.6 2.7 6.9 5.3 3.9 3.5 35 29 12 6.8 5.2 6.3 4.9 18 7.5	CONCEN- TRATION (MG/L) MARCH	DISCHARGE (TONS/DAY)

MEAN

01659000 NORTH BRANCH CHOPAWAMSIC CREEK NEAR INDEPENDENT HILL, VA--Continued

MEAN

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MEAN

DAY	MEAN DISCHARGE (CFS)		SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)		SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)		SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1 2 3 4 5	2.8 3.1 4.5 8.6 7.5	5 6 6 7 12	.08 .10 .12 .23	5.1 4.6 3.9 3.7 3.4	15 11 9 8 13	.20 .14 .09 .08	1.8 1.9 3.4 2.0	3 3 4 3 7	.01 .02 .03 .01
6 7 8 9 10	5.9 5.5 13 35 8.4	11 9 24 30 13	.26 .21 1.9 4.6 .39	3.1 2.7 2.4 2.1 2.1	8 6 7 7	.06 .04 .04 .04	1.9 1.8 1.1 .75	5 4 5 3 4	.02 .02 .01 .01
11 12 13 14 15	4.8 3.7 2.6 2.4 2.5	9 7 9 7 6	.18 .14 .14 .10	2.9 2.1 2.3 4.6 2.7	6 7 11 11 8	.05 .04 .07 .14	.41 .39 .58 .71	4 4 7 4 5	.00 .00 .01 .01
16 17 18 19 20	2.9 38 64 28 13	7 47 45 23 14	.11 10 8.9 1.8 .50	2.1 1.9 1.7 1.6 2.0	7 7 4 3 4	.05 .04 .03 .02 .03	4.5 9.5 24 19 8.4	8 13 15 10 7	.10 .59 1.1 .61
21 22 23 24 25	16 16 9.7 7.2 29	21 18 13 14 37	1.2 .85 .33 .26 4.2	2.1 7.3 4.7 3.1 2.3	3 6 5 3 2	.03 .18 .08 .04	5.5 6.8 5.1 3.9 2.8	6 7 6 6	.09 .14 .09 .06
26 27 28 29 30 31	20 13 9.5 7.6 6.1	37 14 7 7 16	2.1 .50 .19 .14 .25	2.2 2.5 2.6 3.1 2.6 2.2	3 4 2 3 4 4	.03 .02 .02 .03 .03	2.6 4.8 34 12 7.4	6 8 30 7 6	3.5
TOTAL	390.3		40.20	91.7		1.89	169.93		7.44
DAY	MEAN DISCHARGE (CFS)	TRATION	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)		SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) JULY	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) AUGUST	DISCHARGE (TONS/DAY)	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) EPTEMBER	DISCHARGE (TONS/DAY)
DAY 1 2 3 4 5	DISCHARGE	CONCEN- TRATION (MG/L)	DISCHARGE (TONS/DAY)	DISCHARGE	CONCEN- TRATION (MG/L)	DISCHARGE	DISCHARGE (CFS)	CONCEN- TRATION (MG/L) EPTEMBER	DISCHARGE
1 2 3 4	DISCHARGE (CFS) 4.1 2.7 2.8 3.5	CONCENTRATION (MG/L) JULY 4 6 7 8	DISCHARGE (TONS/DAY) .06 .06 .07 .10	DISCHARGE (CFS) 2.2 1.3 1.2 6.8	CONCENTRATION (MG/L) AUGUST 8 9 7 7 14 10 12 6 6 6 6 6 8	DISCHARGE (TONS/DAY) .13 .11 .09 .43 .22 .50 .25 .11 .11 .03	DISCHARGE (CFS) S 6.7 4.7 20 12	CONCENTRATION (MG/L) EPTEMBER 5 6 21 9	DISCHARGE (TONS/DAY) .08 .08 1.3 .32
1 2 3 4 5 6 7 8 9	DISCHARGE (CFS) 4.1 2.7 2.8 3.5 3.3 2.5 1.8 1.4 1.0 1.1 1.2 .95 .68	CONCENTRATION (MG/L) JULY 4 66 7 8 7 4 4 5 6	DISCHARGE (TONS/DAY) .06 .06 .07 .10 .09 .04 .03 .03 .03 .03	DISCHARGE (CFS) 2.2 1.3 1.2 6.8 3.7 7.6 9.0 2.0 1.5	CONCENTRATION (MG/L) AUGUST 8 9 7 14 10 12 6 6 6 6	DISCHARGE (TONS/DAY) .13 .11 .09 .43 .22 .50 .25 .11 .11 .03	DISCHARGE (CFS) S 6.7 4.7 20 12 5.0 2.5 2.1 1.6 1.4	CONCENTRATION (MG/L) EPTEMBER 5 6 21 9 4 4 3 5 4 6	DISCHARGE (TONS/DAY) .08 .08 1.3 .32 .06 .03 .02 .02 .02 .02 .02 .01 .02
1 2 3 4 5 6 7 8 9 10 11 12 13 14	DISCHARGE (CFS) 4.1 2.7 2.8 3.5 3.3 2.5 1.8 1.4 1.0 1.1 1.2 .95	CONCENTRATION (MG/L) JULY 4 66 7 8 7 4 4 4 5 6 4	DISCHARGE (TONS/DAY) .06 .06 .07 .10 .09 .04 .03 .03 .03 .03 .03 .03 .10 .02 .10 .10	DISCHARGE (CFS) 2.2 1.3 1.2 6.8 3.7 7.6 9.0 2.0 1.5 1.4 1.7 1.4 1.6 1.7 1.5 1.5 2.4 2.1 1.2	CONCEN- TRATION (MG/L) AUGUST 8 9 7 14 10 12 6 6 8 7 6 5 7 4 4 4 7 7 5	DISCHARGE (TONS/DAY) .13 .11 .09 .43 .22 .50 .25 .11 .11 .03 .03 .02 .02 .02 .02 .02 .04 .04 .04	DISCHARGE (CFS) S 6.7 4.7 20 12 5.0 2.5 2.1 1.6 1.4 1.1 .91 .73 .89 .58 .40 .24 .17 .13 2.1 1.5	CONCENTRATION (MG/L) EPTEMBER 5 6 21 9 4 4 3 5 4 6 6 8 9 13 14 12 7 5 13 9	DISCHARGE (TONS/DAY) .08 .08 1.3 .32 .06 .03 .02 .02 .02 .02 .02 .01 .00 .02 .02 .02 .02 .02 .02 .02 .02 .02
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	DISCHARGE (CFS) 4.1 2.7 2.8 3.5 3.3 2.5 1.8 1.4 1.0 1.1 1.2 .95 .68 .83 59 5.4 2.7 1.8 1.5	CONCEN- TRATION (MG/L) JULY 4 6 7 8 7 4 4 4 5 6 4 8 52 15 7 5 4 5 6 11 15 9 11	DISCHARGE (TONS/DAY) .06 .06 .07 .10 .09 .04 .03 .03 .03 .03 .03 .02 .14 .33 .10 .06 .04 .11 .08 .12 .14 .09 .12	DISCHARGE (CFS) 2.2 1.3 1.2 6.8 3.7 7.6 9.0 2.0 1.5 1.4 1.7 1.5 1.5 2.4 2.1 1.2 84 67 .57 1.7 2.2	CONCEN- TRATION (MG/L) AUGUST 8 9 7 14 10 12 6 6 6 8 7 6 5 7 4 4 4 7 7 5 7 9 6 3 4 4	DISCHARGE (TONS/DAY) .13 .11 .09 .43 .22 .50 .25 .11 .11 .03 .03 .02 .02 .02 .02 .04 .04 .01 .01 .02	DISCHARGE (CFS) S 6.7 4.7 20 12 5.0 2.5 2.1 1.6 1.4 1.1 .91 .73 .89 .58 .40 .24 .17 .13 2.1 1.5	CONCENTRATION (MG/L) EPTEMBER 5 6 21 9 4 4 3 5 4 6 6 8 8 9 13 14 12 7 5 13 9 7 6 6 7 7 35	DISCHARGE (TONS/DAY) .08 .08 1.3 .32 .06 .03 .02 .02 .02 .02 .02 .01 .00 .02 .02 .02 .02 .02 .02 .02 .02 .02
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	DISCHARGE (CFS) 4.1 2.7 2.8 3.5 3.3 2.5 1.8 1.4 1.0 1.1 1.2 .95 .68 .83 59 5.4 2.7 1.8 1.5 5.7 2.5 1.5 1.1 1.2	CONCENTRATION (MG/L) JULY 4 66 7 8 7 4 4 4 5 6 4 8 5 7 5 4 5 6 11 15 9	DISCHARGE (TONS/DAY) .06 .06 .07 .10 .09 .04 .03 .03 .03 .03 .03 .02 .14 .33 .10 .06 .04 .11 .08 .12 .14 .09 .12	DISCHARGE (CFS) 2.2 1.3 1.2 6.8 3.7 7.6 9.0 2.0 1.5 1.4 1.7 1.5 1.5 2.4 2.1 1.2 84 67 .57 1.7 2.2	CONCEN- TRATION (MG/L) AUGUST 8 9 7 14 10 12 6 6 8 7 6 5 7 4 4 4 7 7 5	DISCHARGE (TONS/DAY) .13 .11 .09 .43 .22 .50 .25 .11 .11 .03 .03 .02 .02 .02 .02 .04 .04 .01 .01 .02	DISCHARGE (CFS) S 6.7 4.7 20 12 5.0 2.5 2.1 1.6 1.4 1.1 .91 .73 .89 .58 .40 .24 .17 .13 2.1 1.5 1.2 .61 .44 .29 10	CONCENTRATION (MG/L) EPTEMBER 5 6 21 9 4 4 3 5 4 6 6 8 9 13 14 12 7 5 13 9	DISCHARGE (TONS/DAY) .08 .08 .08 1.3 .32 .06 .02 .02 .02 .02 .02 .02 .02 .02 .02 .02

01659000 NORTH BRANCH CHOPAWAMSIC CREEK NEAR INDEPENDENT HILL, VA--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)
	OCTOR	BER	NOVEMB	ER	DECEMBI	ER	JANUA	RY	FEBRUAI	RY	MARC	Н
1 2 3 4 5	4 4 4 3 4	.01 .01 .00 .00	5 5 4 4 6		12 12 12 12 13	.05 .05 .05 .05	2 2 2 3 4	.00 .01 .01 .01	19 8 7 7 16		15 10 6 11 28	.14 .09 .05 .11
6 7 8 9 10	4 3 3 2 4	.01 .00 .00 .00	3 5 6 9 13	.01 .02 .02 .04 .08	13 12 12 11 11	.06 .06 .06 .06	4 5 9 8 7	.02 .02 .06 .06	25 19 17 17 9	.35 .20 .15 .14	20 10 5 3 8	.32 .12 .05 .03
11 12 13 14 15	4 5 4 3 3	.01 .01 .01 .00	9 6 6 8	.03 .02 .02 .03 .03	11 11 15 39 34	.06 .07 .09 .56 .52	9 11 8 8 7	.05 .06 .05 .04	6 4 3 6 7	.05 .03 .02 .05	7 7 11 7 12	.05 .05 .18 .10
16 17 18 19 20	3 3 5 9 8	.00 .00 .02 .04	7 7 6 6 6	.03 .03 .02 .02	35 126 41 9 6	.50 7.6 .95 .11 .06	7 6 6 69 110	.05 .04 .04 4.9 9.4	9 53 26 18 12	.11 1.9 .44 .22 .14	18 10 8 11 16	.45 .16 .09 .10
21 22 23 24 25	8 5 4 4 4	.03 .01 .00 .01	7 7 6 5 27	.03 .03 .02 .02	7 6 4 4 3	.05 .04 .03 .02	72 27 18 10 4	3.8 .51 .24 .12 .04	8 7 10 13 13	.08 .07 .11 .17	498 91 53 26 15	233 10 1.9 .60 .26
26 27 28 29 30 31	4 5 7 8 9 6	.01 .02 .03 .03 .04	117 49 25 15 12	2.4 .49 .14 .06 .05	3 5 4 2 2	.02 .03 .03 .02 .01	4 6 6 5 23 23	.04 .05 .04 .04 .39	13 8 12 	.20 .09 .12 	11 12 23 47 92 39	.16 .14 .62 2.7 12 1.9
TOTA	և	0.37		3.94		11.34		20.61		5.59		266.29
DAY	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN- TRATION (MG/L)	LOAD (TONS/ DAY)
DAY	CONCEN- TRATION	(TONS/ DAY)	CONCEN- TRATION	(TONS/ DAY)	CONCEN- TRATION	(TONS/ DAY)	CONCEN- TRATION	(TONS/ DAY)	CONCEN- TRATION (MG/L)	(TONS/ DAY)	CONCEN- TRATION (MG/L) SEPTEM	(TONS/ DAY) BER
DAY 1 2 3 4 5	CONCEN- TRATION (MG/L)	(TONS/ DAY)	CONCEN- TRATION (MG/L)	(TONS/ DAY)	CONCEN- TRATION (MG/L)	(TONS/DAY)	CONCEN- TRATION (MG/L)	(TONS/DAY)	CONCEN- TRATION (MG/L)	(TONS/ DAY)	CONCEN- TRATION (MG/L)	(TONS/ DAY) BER
1 2 3 4	CONCENTRATION (MG/L) APRI 16 7 6 8	(TONS/DAY) IL .45 .15 .09 .11	CONCEN- TRATION (MG/L) MAY 10 14 16 14	(TONS/DAY) .05 .07 .07 .06 .04 .02 .02 .03	CONCEN- TRATION (MG/L) JUNE 12 20 21 17	(TONS/DAY) .13 .31 .20 .12	CONCENTRATION (MG/L) JULY 13 21 13 8	(TONS/DAY) .14 .38 .07 .04	CONCENTRATION (MG/L) AUGUST 23 14 9 10	(TONS/DAY) T .20 .08 .03 .03 .03 .03 .02 .02 .01	CONCEN- TRATION (MG/L) SEPTEM 19 16 11 8 8	(TONS/DAY) BER .08 .05 .03 .02 .01 .01 .00 .00
1 2 3 4 5 6 7 8 9	CONCEN- TRATION (MG/L) APR: 16 7 6 8 8 8 4 4 5 10	(TONS/DAY) IL .45 .15 .09 .11 .10 .05 .05 .06 .12	CONCEN- TRATION (MG/L) MAY 10 14 16 14 12 6 7 9 11	(TONS/DAY) .05 .07 .07 .06 .04 .02 .02 .03 .03	CONCEN- TRATION (MG/L) JUNE 12 20 21 17 19 18 18 19 17	(TONS/DAY) .13 .31 .20 .12 .26 .17 .15 .15	CONCEN- TRATION (MG/L) JULY 13 21 13 8 7 8 8 17 21	(TONS/DAY) .14 .38 .07 .04 .03 .02 .02 .10 .11	CONCENTRATION (MG/L) AUGUS: 23 14 9 10 10 7 7	(TONS/DAY) T .20 .08 .03 .03 .03 .03 .02 .02 .02 .01 .01	CONCENTRATION (MG/L) SEPTEM 19 16 11 8 8 7 7 7 6	(TONS/DAY) BER .08 .05 .03 .02 .01 .01 .00
1 2 3 4 5 6 7 8 9 10 11 12 13 14	CONCEN- TRATION (MG/L) APR: 16 7 6 8 8 8 4 4 5 10 12 28 15 10 6	(TONS/DAY) IL .45 .15 .09 .11 .10 .05 .06 .12 .15 .73 .35 .19 .09	CONCEN- TRATION (MG/L) MAY 10 14 16 14 12 6 7 9 11 13 13 11 10 8	(TONS/DAY) .05 .07 .07 .06 .04 .02 .03 .03 .03 .03 .02 .02 .02 .01	CONCEN- TRATION (MG/L) JUNE 12 20 21 17 19 18 18 19 17 19 14 10 14 25	.13 .31 .20 .12 .26 .17 .15 .10 .09 .06 .04 .13 .23	CONCEN- TRATION (MG/L) JULY 13 21 13 8 7 8 8 17 21 14 14 13 15 20	(TONS/DAY) .14 .38 .07 .04 .03 .02 .02 .10 .11 .04 .03 .02 .02 .02 .00	CONCEN- TRATION (MG/L) AUGUS: 23 14 9 10 10 10 8 7 7 7 9 13 8 11 19	(TONS/DAY) T .20 .08 .03 .03 .03 .03 .02 .02 .01 .01 .05 .16 .04 .08	CONCEN- TRATION (MG/L) SEPTEM 19 16 11 8 8 8 7 7 7 6 6 6	(TONS/DAY) BER .08 .05 .03 .02 .01 .01 .00 .00 .00 .00 .00 .00 .00 .00
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	CONCEN- TRATION (MG/L) APR: 16 7 6 8 8 4 4 5 10 12 28 15 10 6 8 6 6 6 6 6 5	(TONS/DAY) IL .45 .15 .09 .11 .10 .05 .06 .12 .15 .73 .35 .19 .09 .11 .09 .10 .08	CONCEN- TRATION (MG/L) MAY 10 14 16 16 7 9 11 13 13 11 10 8 6	(TONS/DAY) .05 .07 .07 .06 .04 .02 .03 .03 .03 .03 .03 .02 .01 .00 .01 .02 .04 2.5	CONCEN- TRATION (MG/L) JUNE 12 20 21 17 19 18 18 19 17 19 14 10 14 25 17 23 21 18 20	.13 .31 .20 .12 .26 .17 .15 .10 .09 .06 .04 .13 .23 .08	CONCENTRATION (MG/L) JULY 13 21 13 8 7 8 8 17 21 14 14 13 15 20 12 6 8 11 6	(TONS/DAY) .14 .38 .07 .04 .03 .02 .10 .11 .04 .03 .02 .02 .01 .01 .00 .00 .01	CONCEN- TRATION (MG/L) AUGUS: 23 14 9 10 10 10 8 7 7 7 9 13 8 11 19 7 7 6 6 6 4	(TONS/DAY) T .20 .08 .03 .03 .03 .02 .02 .01 .01 .05 .16 .04 .08 .29 .03 .02 .01 .01 .05 .06 .00 .09 .00 .00 .00 .00 .00 .00 .00 .00	CONCEN- TRATION (MG/L) SEPTEM 19 16 11 8 8 8 7 7 7 6 6 6 6 6 6 6 6 6 5 4	(TONS/DAY) BER .08 .05 .03 .02 .01 .01 .00 .00 .00 .00 .00 .00 .00 .00
1 2 3 4 5 6 7 8 9 10 11 122 13 14 15 16 17 18 19 20 21 22 23 24	CONCEN- TRATION (MG/L) APR: 16 7 6 8 8 4 4 5 10 12 28 15 10 6 8 6 6 6 6 7 8	(TONS/DAY) IL .45 .15 .09 .11 .10 .05 .06 .12 .15 .73 .35 .19 .09 .11 .09 .01 .08 .05 .08 .07 .06 .06 .06 .06	CONCEN- TRATION (MG/L) MAY 10 14 16 16 7 9 11 13 13 11 10 8 6 6 12 18 84 31 14 136 96	(TONS/DAY) .05 .07 .07 .06 .04 .02 .03 .03 .03 .03 .03 .02 .01 .00 .01 .02 .04 2.5 .43 .13 40 36 .21	CONCEN- TRATION (MG/L) JUNE 12 20 21 17 19 18 18 19 17 19 14 10 14 25 17 23 21 18 20 23 24 39 226 32	.13 .31 .20 .12 .26 .17 .15 .10 .09 .06 .04 .13 .23 .08 .19 .18 .07 .07 .07 .07	CONCENTRATION (MG/L) JULY 13 21 13 8 7 8 8 17 21 14 14 13 15 20 12 6 8 11 6 6 8 10 8 8	(TONS/DAY) .14 .38 .07 .04 .03 .02 .10 .11 .04 .03 .02 .02 .01 .00 .00 .00 .00 .00 .00 .00 .00	CONCEN- TRATION (MG/L) AUGUS: 23 14 9 10 10 10 8 7 7 7 9 13 8 11 19 7 7 6 6 6 4 6 8 13 12 12	(TONS/DAY) T .20 .08 .03 .03 .03 .02 .02 .01 .01 .05 .16 .04 .08 .29 .03 .02 .01 .01 .00 .01 .01 .00 .01	CONCENTRATION (MG/L) SEPTEM 19 16 111 8 8 7 7 7 6 6 6 6 6 10 8 14 10 8 12 16	(TONS/DAY) BER .08 .05 .03 .02 .01 .01 .00 .00 .00 .00 .00 .00 .00 .00
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29 29 30 20 20 20 20 20 20 20 20 20 20 20 20 20	CONCEN- TRATION (MG/L) APR: 16 7 6 8 8 4 4 4 5 10 12 28 15 10 6 8 8 6 6 6 7 8 8 8 9 10 11 10 9	(TONS/DAY) IL .45 .15 .09 .11 .10 .05 .06 .12 .15 .73 .35 .19 .09 .11 .09 .11 .09 .10 .08 .05 .06 .06 .05 .06 .06 .05 .06 .07 .07 .07 .05 .05	CONCENTRATION (MG/L) MAY 10 14 16 7 9 11 13 13 11 10 8 6 6 12 18 84 31 14 136 96 96 926 85 34 13 10 6	(TONS/DAY) .05 .07 .07 .06 .04 .02 .03 .03 .03 .03 .02 .02 .01 .00 .01 .02 .04 2.5 .43 .13 40 36 .11 .59	CONCEN- TRATION (MG/L) JUNE 12 20 21 17 19 18 18 19 17 19 14 10 14 25 17 23 21 18 20 23 24 39 226 32 21 19 15 14 11 10 10	(TONS/DAY) .13 .31 .20 .12 .26 .17 .15 .15 .10 .09 .06 .04 .13 .23 .08 .19 .18 .08 .07 .07 .27 69 .81 .20 .10 .08 .05 .04 .04	CONCENTRATION (MG/L) JULY 13 21 13 8 7 8 8 17 21 14 14 13 15 6 6 8 10 8 8 10 8 9 86 67 18 40 27	(TONS/DAY) .14 .38 .07 .04 .03 .02 .02 .10 .01 .04 .03 .02 .02 .01 .00 .00 .00 .00 .00 .00 .00 .00 .00	CONCENTRATION (MG/L) AUGUS: 23 14 9 10 10 10 8 7 7 7 7 6 6 6 4 6 8 13 12 12 13 11 6 8 19	(TONS/DAY) T .20 .08 .03 .03 .03 .02 .01 .01 .05 .16 .04 .08 .29 .03 .02 .01 .01 .01 .01 .02 .02 .02 .01 .01 .01 .00 .01 .01 .02 .02 .02 .02 .01 .01 .00 .00 .00 .00 .00 .00 .00 .00	CONCENTRATION (MG/L) SEPTEM 19 16 11 8 8 7 7 7 6 6 6 6 6 6 6 6 10 8 14 10 8 12 16 10 8 11 11 11	(TONS/DAY) BER .08 .05 .03 .02 .01 .01 .00 .00 .00 .00 .00 .00 .00 .00

01659000 NORTH BRANCH CHOPAWAMSIC CREEK NEAR INDEPENDENT HILL, VA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2000 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMP TYP		TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT 18	1000	ENVIRONM	ENTAL	15.1	17.0	755	.99	50	6.2	93	6.4	<.041	<.006
NOV 06 DEC	1000	ENVIRONM	ENTAL	7.8	7.5	756	1.1	54	9.7	81	6.9	<.041	<.006
19 JAN	1030	ENVIRONM	ENTAL	2.5	3.0	751	4.4	50	11.1	82	6.7	<.041	<.006
25 FEB	0945	ENVIRONM	ENTAL	.5	-1.0	755	3.8	46	14.1	99	7.0	<.041	<.006
13 MAR	0830	ENVIRONM	ENTAL	3.3	3.5	762	3.2	49	14.3	89	7.1	<.041	<.006
14 30 30	0830 1130 1130	ENVIRONM REPLICAT ENVIRONM	Έ	7.4 7.2 7.2	4.5 14.5 14.5	747 745 745	5.3 76 76	52 36 36	11.2 10 10	95 90 90	7.2 6.6 6.6	<.041 <.041 <.041	<.006 <.006 <.006
19	0945	ENVIRONM	ENTAL	8.4	10.5	758	4.0	51	11.1	100	6.9	<.041	E.003
16 JUN	0815	ENVIRONM	ENTAL	12.9	17.5	750	.56	55	10.1	95	7.1	<.041	<.006
12 JUL	0900	ENVIRONM	ENTAL	20.6	27.0	749	1.5	53	8.1	99	6.8	.117	.025
16 AUG	0900	ENVIRONM	ENTAL	18.9	21.5	752	.39	52	8.3	88	6.5	<.040	E.003
15 SEP	0900	ENVIRONM		21.4	24.5	753	2.0	48	5.8	68	6.5	E.024	<.006
11	1000	ENVIRONM	ENTAL	19.0	20.0	758	.50	54	8.0	90	7.2	<.040	<.006
	DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	DATA BASE NUMBER	
	OCT 18	GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHORUS TOTAL (MG/L AS P)	PHORUS DIS- SOLVED (MG/L AS P)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	MENT, SUS- PENDED (MG/L)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	MTEC MF WATER (COL/ 100 ML)	BASE	
	OCT 18 NOV 06	GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHORUS TOTAL (MG/L AS P) (00665)	PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	MENT, SUS- PENDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	MTEC MF WATER (COL/ 100 ML) (31633)	BASE NUMBER	
	OCT 18 NOV 06 DEC 19	GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHORUS TOTAL (MG/L AS P) (00665)	PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	MENT, SUS- PENDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	MTEC MF WATER (COL/ 100 ML) (31633)	BASE NUMBER	
	OCT 18 NOV 06 DEC 19 JAN 25	GEN,AM- MONIA + ORGANIC DIS: (MG/L AS N) (00623)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.047	PHORUS TOTAL (MG/L AS P) (00665) .018	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.003	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) <.018	MENT, SUS- PENDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	MTEC MF WATER (COL/ 100 ML) (31633)	BASE NUMBER 01	
	OCT 18 NOV 06 DEC 19 JAN	GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .12 .10 .27	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.047 <.047 E.031	PHORUS TOTAL (MG/L AS P) (00665) .018 .019	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.003	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) <.018 <.018	MENT, SUS- PENDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) 110 E18k	MTEC MF WATER (COL/ 100 ML) (31633) 20 29	BASE NUMBER 01 01	
	OCT 18 NOV 06 DEC 19 JAN 25 FEB 13 MAR 14	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .12 .10 .27 .15 E.06 .15	GEN, AM- MONIA + MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .25 .13 .25 .17 <.08	GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) <.047 <.047 <.047 <.047 <.047 <.047 <.047	PHORUS TOTAL (MG/L AS P) (00665) .018 .019 .019 .015 .013	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.003 .006 .009 .009 .006 E.005	PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671) <.018 <.018 <.018 <.018 <.018 <.018 <.018	MENT, SUS- PENDED (MG/L) (80154) 3 2 6 3	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) .01 .01 .07	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	MTEC MF WATER (COL/ 100 ML) (31633) 20 29 	BASE NUMBER 01 01 01 01 01 01	
	OCT 18 NOV 06 DEC 19 JAN 25 FEB 13 MAR 14 30	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .12 .10 .27 .15 E.06	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .25 .13 .25 .17 <.08	GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) < .047 < .047 < .047 < .047	PHORUS TOTAL (MG/L AS P) (00665) .018 .019 .019 .015	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.003 .006 .009 .009	PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671) <.018 <.018 <.018 <.018 <.018	MENT, SUS- PENDED (MG/L) (80154) 3 2 6 3 3 5	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) .01 .01 .07 .03 .02	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) 110 E18k	MTEC MF WATER (COL/ 100 ML) (31633) 20 29 	BASE NUMBER 01 01 01 01 01	
	OCT 18 NOV 06 DEC 19 JAN 25 FEB 13 MAR 14 30	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .12 .10 .27 .15 E.06 .15 .30	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .25 .13 .25 .17 <.08 .23 .47	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.047 <.047 E.031 <.047 <.047 <.047	PHORUS TOTAL (MG/L AS P) (00665) .018 .019 .019 .015 .013	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.003 .006 .009 .009 .006 E.005 .009	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) <.018 <.018 <.018 <.018 <.018 <.018 <.018	MENT, SUS- PENDED (MG/L) (80154) 3 2 6 3 3	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) .01 .01 .07 .03 .02	FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625) 110 E18k	MTEC MF WATER (COL/ 100 ML) (31633) 20 29 	BASE NUMBER 01 01 01 01 01 01 01	
	OCT 18 NOV 06 DEC 19 JAN 25 FEB 13 MAR 14 30 30	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .12 .10 .27 .15 E.06 .15 .30 .30	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .25 .13 .25 .17 <.08 .23 .47 .46	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.047 <.047 E.031 <.047 <.047 <.047 E.031	PHORUS TOTAL (MG/L AS P) (00665) .018 .019 .019 .015 .013 .018 .054 .055	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.003 .006 .009 .009 .006 E.005 .009	PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671) <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018	MENT, SUS- PENDED (MG/L) (80154) 3 2 6 3 5 94	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) .01 .01 .07 .03 .02 .07	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) 110 E18k	MTEC MF WATER (COL/ 100 ML) (31633) 20 29 	BASE NUMBER 01 01 01 01 01 01 01 01 01	
	OCT 18 NOV 06 DEC 19 JAN 25 FEB 13 MAR 14 30 APR 19 MAY 16 JUN 12 JUL	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .12 .10 .27 .15 E.06 .15 .30 .30 .17 .11 .30	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .25 .13 .25 .17 <.08 .23 .47 .46 .21 .23 .33	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.047 <.047 <.047 <.047 <.047 <.047 <.047 <.047 <.047 <.047 .050 E.047 <.047 <.050 E.047	PHORUS TOTAL (MG/L AS P) (00665) .018 .019 .019 .015 .013 .018 .054 .055 .017 .021	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.003 .006 .009 .009 .006 E.005 .009 .008 .006	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018	MENT, SUS- PENDED (MG/L) (80154) 3 2 6 3 3 5 94 4 5 8	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) .01 .01 .07 .03 .02 .07 19	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) 110 E18k	MTEC MF WATER (COL/ 100 ML) (31633) 20 29	BASE NUMBER 01 01 01 01 01 01 01 01 01 01 01 01	
	OCT 18 NOV 06 DEC 19 JAN 25 FEB 13 MAR 14 30 APR 19 MAY 16 JUN 12 JUL 16 AUG	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .12 .10 .27 .15 E.06 .15 .30 .30 .17 .11 .30 E.08	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .25 .13 .25 .17 <.08 .23 .47 .46 .21 .23 .33 .34	GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) <.047 <.047 <.047 <.047 <.047 <.047 <.047 <.047 <.050 E.047 <.050 E.047	PHORUS TOTAL (MG/L AS P) (00665) .018 .019 .019 .015 .013 .018 .054 .055 .017 .021 .043 .019	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.003 .006 .009 .009 .006 E.005 .009 .008 .006 .007 .007	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.0100 <.0100 <.0000 <.0000 <.0000 <.0000 <.0000	MENT, SUS- PENDED (MG/L) (80154) 3 2 6 3 3 5 94 4 5 8	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) .01 .07 .03 .02 .07 19 .04 .01	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) 110 E18k	MTEC MF WATER (COL/ 100 ML) (31633) 20 29	BASE NUMBER 01 01 01 01 01 01 01 01 01 01 01 01	
	OCT 18 NOV 06 DEC 19 JAN 25 FEB 13 MAR 14 30 30 APR 19 MAY 16 JUN 12 JUN 16	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) .12 .10 .27 .15 E.06 .15 .30 .30 .17 .11 .30	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) .25 .13 .25 .17 <.08 .23 .47 .46 .21 .23 .33	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.047 <.047 <.047 <.047 <.047 <.047 <.047 <.047 <.047 <.047 .050 E.047 <.047 <.050 E.047	PHORUS TOTAL (MG/L AS P) (00665) .018 .019 .019 .015 .013 .018 .054 .055 .017 .021	PHORUS DIS- SOLVED (MG/L AS P) (00666) E.003 .006 .009 .009 .006 E.005 .009 .008 .006	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018 <.018	MENT, SUS- PENDED (MG/L) (80154) 3 2 6 3 3 5 94 4 5 8	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) .01 .01 .07 .03 .02 .07 19	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) 110 E18k	MTEC MF WATER (COL/ 100 ML) (31633) 20 29	BASE NUMBER 01 01 01 01 01 01 01 01 01 01 01 01	

Remark codes used in this report: < -- Less than E -- Estimated value

Value qualifier codes used in this report: \ensuremath{k} -- Counts outside acceptable range